



PATENT  
TS0633 (US)  
DFH:EM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

JOCHEM VAN DE WEERD

Serial No. 10/808,001

Filed March 24, 2004

METHOD OF INCREASING THE CARBON CHAIN  
LENGTH OF OLEFINIC COMPOUNDS

May 11, 2007

COMMISSIONER FOR PATENTS  
P. O. Box 1450  
Alexandria, VA 22313-1450

Madam/Sir:

DECLARATION UNDER RULE 131

Dr. ARIE VAN ZON hereby declares:

THAT he is a Principal Research Chemist for Shell Global Solutions International

BV; and

THAT he has reviewed WO 03/024910 and understands that this patent application is one of the references used by the Examiner in the office action of March 27, 2007 to reject the claims of the present application; and that the priority date of this reference is September 17, 2001; and

THAT he is familiar with the request for patent action and the report describing the work which was done relating to the present invention; and that the request for patent action and the work referred to above were written and performed in the Netherlands, a WTO country, prior to September 17, 2001; and

THAT the document entitled "Request for Patent Action" enclosed herewith was created prior to September 17, 2001 and describes the invention which is claimed in the present application; and that the document entitled "Dehydration of SHF-Alcohols to Alpha Olefins" was created prior to September 17, 2001; and that this document describes experimental work wherein a primary alcohol, i.e. pure (99%) 1-decanol, and industrially produced primary alcohol mixtures, such as NEODOL-1 (which is largely linear 1-undecanol) or Linevol-911 (a mixture of

Noted  
Gw  
9-7-2007

C<sub>9</sub>, C<sub>10</sub> and C<sub>11</sub> 1-alcohols) , made by hydroformylation of a C<sub>10</sub> olefin or a mixture of C<sub>8</sub>, C<sub>9</sub> and C<sub>10</sub> olefins were subjected to dehydration in a continuous reactor in the gas phase and that 1-decene, 1-undecene or a mixture of 1-nonene, 1-decene and 1-undecene, respectively, were the predominant products; and

THAT the attached documents show that the invention claimed in the present application was made prior to September 17, 2001.

Dr. Arie van Zon further declares that all statements herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date

11<sup>th</sup> May 2007

  
Dr. Arie van Zon